Advanced Education in British Columbia

An Outline of Institutions and Programs

PROVINCE OF BRITISH COLUMBIA
Ministry of Advanced Education and Job Training

Canadian Cataloguing in Publication Data

Main entry under title:
Advanced education in British Columbia

ISBN 0-7726-0819-9

1. Education, Higher - British Columbia. 2. Universities and colleges - British Columbia - Directories. I. British Columbia. Ministry of Advanced Education and Job Training.

LA417.5.A49 1988 378.711 C88-092112-9

For further information regarding this publication contact:
COMMUNICATION SERVICES
Ministry of Advanced Education and Job Training
818 Broughton Street
Victoria, B.C. V8V 1X4
(604) 387-6276
Copyright © 1988 Province of British Columbia
Ministry of Advanced Education and Job Training

Table of Contents

I – GENERAL INFORMATION 5

BRITISH COLUMBIA POST-SECONDARY INSTITUTIONS 6

Introduction 6
Colleges 6
Institutes 7
Universities 7
Private Institutions 7
Student Financial Assistance 8

II – PUBLIC INSTITUTIONS 9

Camosun College, Victoria 11
Capilano College, North Vancouver 11
Cariboo College, Kamloops 11
College of New Caledonia, Prince George 12
Douglas College, New Westminster 12
East Kootenay Community College, Cranbrook 12
Fraser Valley College, Chilliwack 13
Kwantlen College, Surrey 13
Malaspina College, Nanaimo 13
North Island College, Comox 14
Northern Lights College, Dawson Creek 14
Northwest Community College, Terrace 14
Okanagan College, Kelowna 15
Selkirk College, Castlegar 15
Vancouver Community College, Vancouver 15
British Columbia Institute of Technology, Burnaby 16
Emily Carr College of Art and Design, Vancouver 16
Justice Institute of British Columbia, Vancouver 16
Open Learning Agency, Richmond 17
Pacific Marine Training Institute, North Vancouver 17
Simon Fraser University, Burnaby 17
The University of British Columbia, Vancouver 18
University of Victoria, Victoria 18

III – PROGRAMS 19

DEFINITIONS

1. Adult Basic Education Programs 20
2. Vocational Programs 20
   a. Trades Related Programs 20
      Training Access Programs 20
      Apprenticeship Programs 20
   b. Office Related and Other Programs 20
3. Technical Programs 21
   Certification 21
4. Professional Programs 21
5. Academic Programs 21

College/University Transfer Programs 21
Undergraduate Programs 21
Graduate Programs 22
6. Continuing Education Programs 22
7. Distance Education Programs 22
8. Co-operative Education Programs 22
9. International Education Programs 22

CASE STUDIES 23

Nursing 23
Fine Arts 25
Forestry 26
Tourism 27

IV – PROGRAM TABLES 29

DIRECTORY 46

I. General Information

Birdwatching (Camosun College)

BRITISH COLUMBIA POST-SECONDARY INSTITUTIONS

INTRODUCTION

Twenty-three public institutions constitute the British Columbia post-secondary educational system: fifteen colleges, four institutes, three universities and the Open Learning Agency.

Each of these institutions reports to a governing board, with the Ministry of Advanced Education and Job Training acting as a coordinating agency for the general provincial system.

In this coordinating role, the Ministry ensures that provincial funding is distributed equitably among institutions and used efficiently; considers questions of program mix and distribution; provides information and conducts research regarding post- secondary education. It also has additional administrative responsibilities connected with student awards, apprenticeship registration, etc.

In order to fulfill its mandate, the Ministry maintains regular contacts with other branches of government, both at the provincial and federal levels.

To a large extent, the present configuration of the province's post-secondary institutions derives from the recommendations of the report on Higher Education in British Columbia and Plan for the Future (1962), prepared for the provincial government by the then president of the University of British Columbia (UBC), Dr. John B. Macdonald.

At a time when the only public post-secondary institutions in the province were UBC and Victoria College, Macdonald developed the blueprint of a decentralized system of institutions designed to serve the entire province and facilitate access to advanced education and training.

While the twenty-three institutions are individually described in section II, the following reviews the different mandates and the different characteristics of the three types of institutions: colleges, institutes and universities.

COLLEGES: General Instruction and regional mandate

Colleges provide a comprehensive and flexible range of programs in response to local and provincial needs. They adhere to the standards of vocational and technical agencies, on the one hand, and those of universities and other transfer institutions, on the other.

They must also be sensitive to the particular needs of the regions they are mandated to serve. Unlike the institutes and the universities, which have a provincial jurisdiction, the colleges have specific regional commitments and provide a diversity of academic, vocational, technical and continuing education programs to the local population.

This dual role results in a great similarity in college course offerings, since the colleges are responsible for providing core academic education and vocational/technical training in their area, as well as some individuality, since they must develop programs designed to meet specific local needs (e.g. Chinese cuisine at Vancouver Community College (VCC), aquaculture technology at Malaspina College, agriculture technology at Fraser Valley College, farrier program at Kwantlen College, ski area management at Selkirk College). These specialized courses are also available to students from other areas of the province.

The colleges are frequently called upon to provide a focus to the intellectual activities, the social and artistic life, and the economic development of their region through the assistance, expertise and leadership of their faculty and administrators.

As well, colleges frequently assume a "broker's" role, whereby other institutions (e.g. the Emily Carr College of Art and Design, the Open Learning Agency) may collaborate with them, or simply use college facilities to offer their own programs.

Finally, another characteristic of community colleges is their multi-campus structure, well adapted to serve small communities.

INSTITUTES:
Specialized Instruction and provincial mandate

The institutes were established to provide specialized instruction in various fields: technologies and trades, art and design, law enforcement and public safety, and marine training.

This specialized training is centralized: the institutes have a provincial rather than a regional jurisdiction and many of their programs are unique in the province. In fact, two institutes have the sole training responsibility for certain types of occupation and their regular programs are not generally open to the public: the Pacific Marine Training Institute and the Justice Institute develop and deliver programs intended to satisfy the requirements of the federal Ministry of Transport in one case, and the provincial Ministries of Health, Municipal Affairs and the Attorney-General in the other case.

To comply with their provincial mandate, institutes offer contract training programs by sending instructors throughout the province. For instance, the British Columbia Institute of Technology (BCIT) offers programs in business, health and engineering at the invitation of companies, professional associations, Native Indian bands, and other such groups. The Justice Institute's extension department offers a diversity of programs in crime prevention, administration and support staff development at the request of such groups as school boards, social workers, etc. Emily Carr College of Art and Design responds to the invitation of colleges by offering through its outreach programs the common foundation component of its diploma programs.

UNIVERSITIES:
General and professional instruction, graduate studies and research, provincial mandate and national resource

The components of university education are liberal education, professional education and research.

Liberal education is an essential goal of university education. Its aim is to implant in students a lifelong desire for learning, the power of objective analysis and critical examination of data, opinions and values. It may be offered through systematic courses of study leading to degrees, or through continuing education, ensuring the extension of liberal education for personal growth and satisfaction.

Selected professional training complements liberal education. We will see later in the booklet the wide range of professional programs offered by B.C. universities. As well, the universities provide professional development programs to enable employed individuals to meet their career advancement needs and face successfully the rapid pace of technological change.

Finally, a major objective of university work includes scientific research for the purpose of advancing knowledge, the satisfaction of human curiosity, and the application of these research skills to projects of direct benefit to society. In addition, the intellectual activity of scholarship aims at preserving cultural heritage and re-examines past values and their relevance today.

The role of the universities transcends the borders of the province they serve. This is evident in research, where a large proportion of the funding is obtained through national and international competition. It must also be noted that competition often gives way to collaboration, as in the case of the Tri-University Meson Facility (TRIUMF) and the Bamfield Marine Biological Station. Reputation and expertise are also determined in national and international terms. In both research grants and reputation, B.C.'s universities rank highly in the country.

PRIVATE INSTITUTIONS

A small, and somewhat specialized, private sector supplements the public institutions in B.C. Prospective students are advised to check that any particular institution will meet their needs in terms of purpose, course transfer arrangements, tuition fees, accreditation, and so on.

Trinity Western University, a private institution with a strong Christian ethos, is authorized to grant degrees in B.C. in a range of subjects. Several theological schools have received degree granting status from the government and some, such as Regent College and the Vancouver School of Theology, have a university affiliation.

A few foreign institutions offer programs in specialized fields of study in the province but, by legislation, are not per-

mitted to grant degrees in B.C. Their degrees are issued from the institutions' place of origin.

Some private colleges, which often appeal to an international clientele, offer secondary school completion programs, as well as first and second year university level courses, some of which are granted transfer credit by the universities.

B.C. has over 400 private training schools which provide career training rather than academic instruction. They are small and tend to focus on the essentials needed for immediate employment. Responsive to the market, a number of schools open and close each year, whereas others are well established. Most provide instruction in a narrow range of subjects. Many programs in private training institutions are also taught in public institutions, but a few are available only in the private sector. Where programs are available in public schools, they may differ in emphasis or enrolment quotas.

While a few private schools focus on subjects such as diving, floral arrangement, and first aid, the majority of schools offer one of the following program categories: acting, aviation, computing, hospitality/tourism, pre-apprenticeship trades, job study/personal development, business (including accounting, secretarial, sales, tax), fashion/modelling/cosmetology/hairdressing/barbering.

STUDENT FINANCIAL ASSISTANCE

The costs borne by students during an academic year (8 months) may vary considerably, depending on such factors as the program of study and living arrangements.

A variety of programs are available to help students meet these costs. The basic purpose of most programs is to supplement -- not replace -- students' financial resources and the resources of their immediate family.

The British Columbia Student Assistance Program (BCSAP) is the largest financial aid program for B.C. students. Several types of assistance are provided but a single application process is administered at each institution. It is directed towards full-time students who are B.C. residents and hold Canadian citizenship or landed immigrant status.

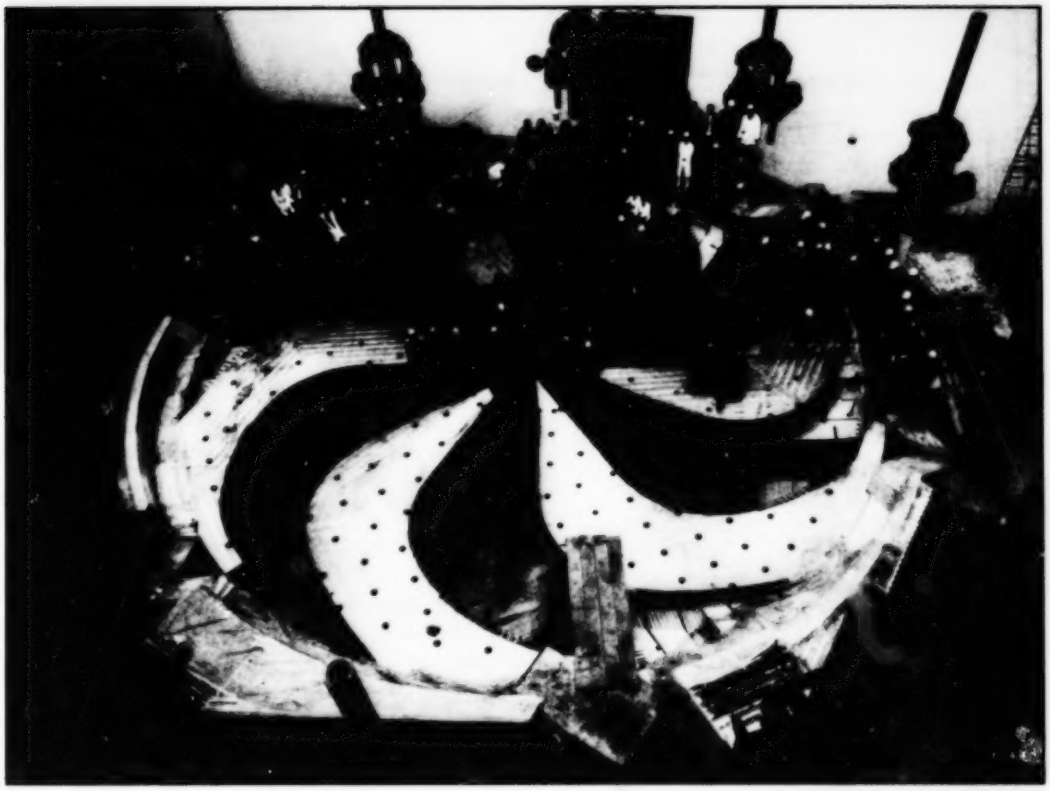
BCSAP aid is based on need and comes in the form of loans as well as non-repayable assistance. Incentives encourage academic achievement and reward excellence. In 1987/88, the maximum assistance per 17 week semester was $2,000 per student ($3,000 if the student had dependent children). Students who must relocate more than 50 km to attend an institution outside Greater Vancouver or Victoria may receive up to $500 annually to assist with the relocation.

Some non-repayable funds are also available to students in their first year of post-secondary study to reduce, but not eliminate, the need to borrow money. This will be expended to second year study in 1988/89.

The provincial government has special assistance programs for full-time students taking English language training, employment orientation, or adult basic education classes. Short term loans (repayment begins 30 days after funds are advanced) are available for needy part-time students.

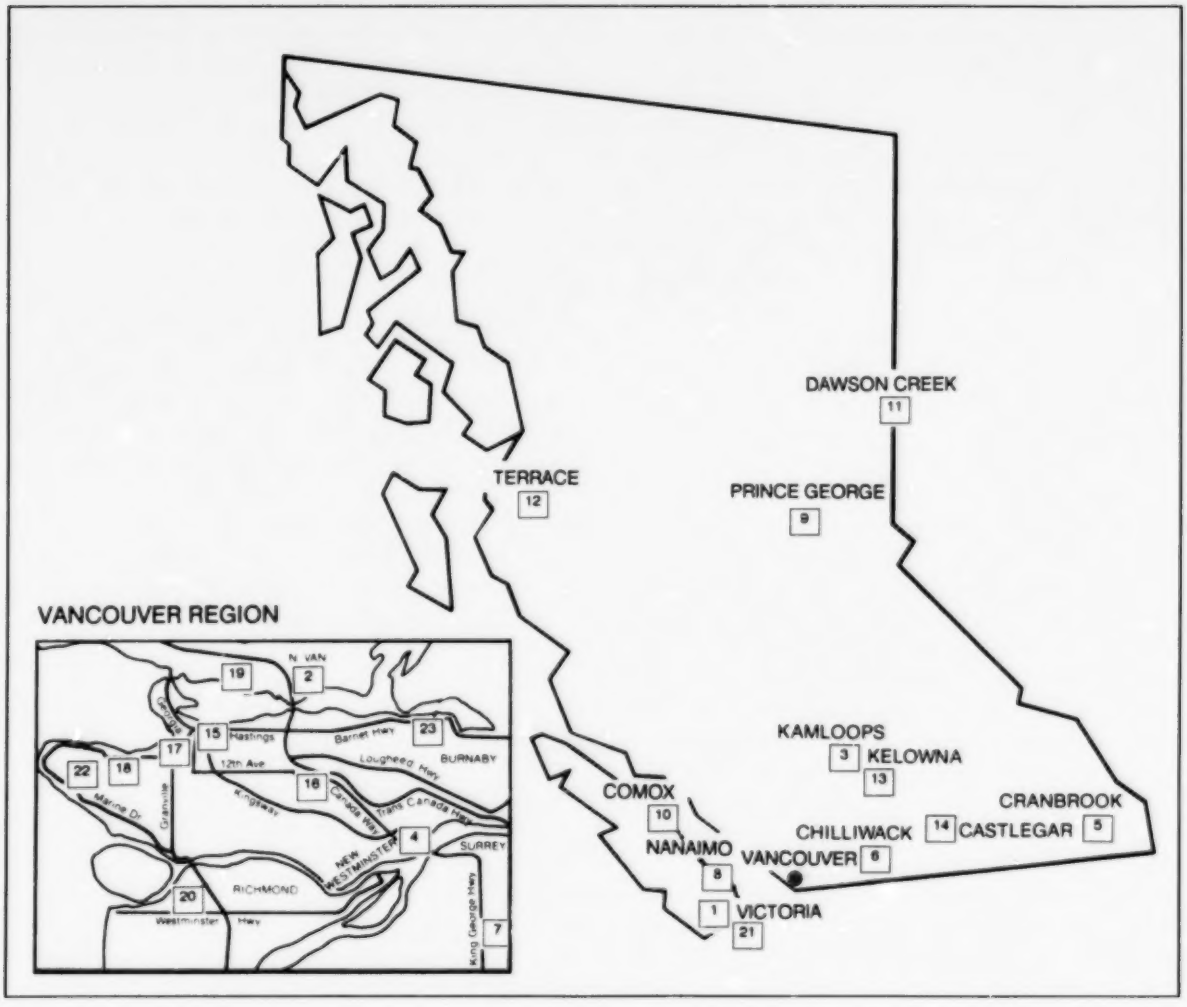
Details about part-time employment under work study programs, semesters of full-time employment under co-operative education, and a variety of scholarships and bursaries are available in each institution's calendar. For further information, students should consult the financial aid officers at the institutions.

II. Public Institutions



Cyclotron magnet (TRIUMF)

Post-Secondary Institutions in British Columbia



1. Camosun College
2. Capilano College
3. Cariboo College
4. Douglas College
5. East Kootenay Community College
6. Fraser Valley College
7. Kwantlen College
8. Malaspina College
9. College of New Caledonia
10. North Island College
11. Northern Lights College
12. Northwest Community College
13. Okanagan College
14. Selkirk College
15. Vancouver Community College
16. British Columbia Institute of Technology
17. Emily Carr College of Art and Design
18. Justice Institute of British Columbia
19. Pacific Marine Training Institute
20. Open Learning Agency
21. University of Victoria
22. University of British Columbia
23. Simon Fraser University

CAMOSUN COLLEGE

VICTORIA (ESTABLISHED 1971)

Camosun College occupies five Victoria locations: the Lansdowne Campus, the Interurban Campus, the Carey Road Campus and two smaller sites in the city.

It serves a population of 270,000 and includes the school districts of Greater Victoria, Sooke, Saanich and Gulf Islands.

Its programs include the first two years of academic study in the humanities, social sciences and science, as well as comprehensive vocational and technical programs, such as chemical and biological sciences and various engineering technologies.

Some of its programs are unique in the province: applied chemistry and biology, business systems technician, community support worker, fine furniture, recreation leadership/aquatic specialist, technology bridging program and welding engineering technology.

Camosun College enrols about 5,800 full-time and part-time students annually, and caters to some 12,000 enrollees in continuing education.

CAPILANO COLLEGE

NORTH VANCOUVER (ESTABLISHED 1968)

Capilano College's Lynnmour Campus is located in North Vancouver, with satellite campuses in Squamish and Sechelt; in addition, courses are offered in off-campus locations.

The college region serves a population of about 160,000 and includes the school districts of North Vancouver, West Vancouver, Howe Sound and the Sunshine Coast. Almost half of the Grade 12 graduates of the region directly enrolling in full-time post-secondary studies attend Capilano College.

As well as first and second year academic courses in arts and science, over 30 career programs are offered. Several are unique in British Columbia, such as music therapy, outdoor recreation management, media resources, clay and textile arts, crafts instructor training, and tourism management.

In the last twenty years, its student body has grown from 700 to over 4,500 full-time and part-time, with more than an additional 5,000 continuing education students.

CARIBOO COLLEGE

KAMLOOPS (ESTABLISHED 1970)

The two main college campuses are in Kamloops and Williams Lake, and programs are also available in 100 Mile House, Clinton, Merritt, Chase, Clearwater, Lillooet, Lytton and Barriere.

The college region extends over an area of 150,000 square kilometers, serves a population of 140,000 and includes the school districts of Kamloops, North Thompson, Cariboo-Chilcotin, Lillooet, South Cariboo and Merritt.

Cariboo College offers first and second year academic programs and a large range of vocational and technical programs, including some related to the region's resource transportation and communications industries. Its unique programs include diplomas in animal health technology, respiratory therapy and computer automated systems technology, as well as the only distance education courses in anaesthetic technology and cardiovascular perfusion technology offered in the province. Some 3,500 persons annually attend classes full-time and part-time and about 11,000 are enrolled in continuing education courses at various centres.

COLLEGE OF NEW CALEDONIA

PRINCE GEORGE (ESTABLISHED 1969)

The main college campus is located in Prince George, with satellite campus facilities in Quesnel, MacKenzie, Burns Lake and Vanderhoof.

The college region extends over an area of 117,500 square kilometers, serves a population of approximately 152,000 and includes the school districts of Prince George, Nechako, Lake District and Quesnel.

A comprehensive range of programs is offered: first and second year academic courses in the humanities, social sciences and science, adult basic education, special education and trades training for a variety of industries. Diploma programs are offered in electrical/engineering technology, business and management studies, computer information technology, forest resource technology, construction technology, dental hygiene, early childhood education, and cook training.

The College of New Caledonia offers the only post-basic program in nursing in rural hospitals, and the only certificate program in social services offered by distance education, with enrolment from across the northern part of the province. As well, the library of the Northern Institute for Resource Studies is housed on its campus.

Full-time and part-time enrolment stands at approximately 2,800 with some 6,000 registrations in continuing education programs.

DOUGLAS COLLEGE

NEW WESTMINSTER (ESTABLISHED 1970)

The main college campus is located in downtown New Westminster, one block from SkyTrain, with another centre in Maple Ridge. The college region includes the school districts of New Westminster, Burnaby, Maple Ridge and Coquitlam and serves a population of 340,000.

Douglas College offers first and second year academic programs; including certificate and diploma programs in arts, science and general studies, as well as vocational and technological programs in health, social services, and business. Diploma programs include those in computer information systems, construction management, office systems and records management.

The college also offers two programs which are unique in the province: musical instrument construction and repair, and psychiatric nursing.

About 6,000 full-time and part-time students attend credit courses, with another 14,000 registrations continuing education programs.

EAST KOOTENAY COMMUNITY COLLEGE

CRANBROOK (ESTABLISHED 1975)

The college occupies a central campus in Cranbrook and outreach centres in Invermere, Golden, Creston and Fernie, in the heart of the Rocky Mountains.

Its region extends over an area of 45,000 square kilometers, serves a population of approximately 60,000 and includes the school districts of Fernie, Cranbrook, Kimberley, Windermere, Golden and the Creston portion of Creston-Kaslo.

East Kootenay Community College offers first and second year academic courses, as well as vocational, technical and adult basic education courses throughout the region. Its diploma programs include arts and science, business administration, and leisure and recreation services management.

The college has also developed a number of unique programs, such as an industrial orientation program for the learning disabled. Over 1,000 persons are enrolled in full-time and part-time studies, as well as approximately 3,000 registered in continuing education courses.

FRASER VALLEY COLLEGE

CHILLIWACK (ESTABLISHED 1974)

The college's core campuses are located in Abbotsford and Chilliwack, with regional centres in Mission and Hope. It also offers courses in some 60 other locations throughout the Fraser Valley.

The college region extends over an area of 88,500 square kilometers, serves a population of 150,000 and includes the school districts of Hope, Chilliwack, Abbotsford, Mission and Agassiz-Harrison.

Fraser Valley College offers academic programs and vocational training, with particular emphasis on programs related to agriculture and food production. It is also known for the success of its Theatre Department, its extensive volunteer tutoring programs in adult literacy and English language training. The college has also become the major resource for adult basic education and life skills training programs in the many regional correctional institutions. It also offers a program in agriculture technology which is unique in the province.

The college has about 3,000 full-time and part-time students, with some 12,000 enrolments in continuing educat[illegible].

KWANTLEN COLLEGE

SURREY (ESTABLISHED 1981)

Kwantlen College's three campuses are situated in north Surrey, Newton and Richmond, with the Technology Centre also in Newton. Continuing education offices are located at each campus as well as in Langley. The college expects to occupy new permanent facilities in Surrey by January 1990.

Kwantlen College serves the communities of Delta, Langley, Richmond, Surrey and White Rock, in the fastest growing region in B.C., with a population of 455,000 expected to grow to 600,000 by the turn of the century.

The college offers a comprehensive program of education which includes university transfer, career, vocational and technology programs. Some programs are unique in the province and include the farrier program and automation robotics technology.

More than 4,000 students currently attend the three campuses, full and part time. In addition there are 2,800 students enrolled in continuing education courses.

MALASPINA COLLEGE

NANAIMO (ESTABLISHED 1969)

The main campus is located in Nanaimo, with regional campuses in Duncan and Powell River, and a regional office in Parksville.

Malaspina College serves a region stretching from Duncan to Qualicum on the Island and to Powell River on the mainland, with a population of some 170,000. It includes the school districts of Cowichan, Lake Cowichan, Nanaimo/Ladysmith, Parksville/Qualicum and Powell River.

The College offers a full-range of vocational courses on a year-round basis, while academic, career and technical programs are concentrated in spring and fall. The college also offers specialized contract training and education in industry and business, in the workplace or on campus. Among its distinctive offerings are technology diploma programs in aquaculture and fisheries, continuing health administration and greenhouse horticulture, a technician program in apiculture, as well as a heavy equipment operator program and a women's introduction to trades program.

Enrolment includes over 3,100 full-time and part-time students and 10,000 registrations in continuing education courses. Some student residences are available on campus.

NORTH ISLAND COLLEGE

COMOX (ESTABLISHED 1975)

In addition to offering programs in Comox, Courtenay, Campbell River and Port Alberni, North Island College operates out of many other community learning centres throughout the region.

From its inception, the college has emphasized a decentralized system of program delivery which includes tutored courses, individualized learning materials, mobile study centres and the use of interactive television on the Knowledge Network and computer assisted learning, resulting in a high enrolment rate in the adult population of the area.

The college serves a population of some 118,000 in the central and northern parts of Vancouver Island and the contiguous mainland and offshore island area. Its region includes the school districts of Alberni, Courtenay, Campbell River, Vancouver Island West, Vancouver Island North and Central Coast.

Programs are offered in academic disciplines, early childhood education and business administration. A variety of vocational programs include aquaculture, welding, heavy duty mechanics, auto mechanics. Technology programs include nursing, as well as computer, electronics and drafting technologies.

Enrolment is currently about 8,700 with a significant number enrolled part-time. There are another 8,500 registrations in continuing education courses.

NORTHERN LIGHTS COLLEGE

DAWSON CREEK (ESTABLISHED 1975)

Because of its region's size and widely scattered population, the college provides a decentralized method of education. College centres exist in Dawson Creek, Fort St. John, Chetwynd and Fort Nelson, as well as in eight smaller communities. In addition, the college operates a mobile learning resource centre in its northernmost areas.

The Northern Lights College region extends over an area of more than 400,000 square kilometers, comprising more than one third of the geographical area of the province. It serves a population of 57,800 and includes the school districts of Peace River South, Peace River North, Fort Nelson and Stikine.

Programs include academic courses, community education, business, career and technical, aircraft maintenance, engineering, college foundations and the visual and performing arts.

Enrolment totals over 1,000 full-time and part-time students annually, with 12,000 registrations in continuing education programs. The college has a student residence on its Dawson Creek campus.

NORTHWEST COMMUNITY COLLEGE

TERRACE (ESTABLISHED 1975)

The main campus facilities in Terrace are supplemented by those acquired in Prince Rupert, Kitimat, Smithers, Houston and Hazelton. Schools and temporary rental space are also used in many other smaller communities.

Northwest Community College covers a large area of 80,000 square kilometers, spreading from Queen Charlotte City to Houston and serving some 80,000 people. It includes the school districts of Queen Charlotte, Prince Rupert, Smithers, Kitimat, Terrace and Nishga.

The college offers academic courses as well as technical and vocational programs in various fields, such as automotive mechanics, heavy equipment repair, fisheries and marine training, and office management.

Course registrations number around 12,000 annually, with nearly 1,000 full-time students at peak periods of the year. The college has a campus residence with space for 240 students.

OKANAGAN COLLEGE

KELOWNA (ESTABLISHED 1968)

The main college campus is in Kelowna. There are also campuses in Penticton, Vernon and Salmon Arm, and Continuing Education Centres in six smaller communities.

Okanagan College serves more than 250,000 people in ten school districts, the most populous college region outside of Victoria and the Lower Mainland. The regions spans 52,000 square kilometers including Princeton, Oliver, Osoyoos, the Okanagan Valley, Salmon Arm, Revelstoke and Mica Creek.

It offers academic programs in arts and sciences. In addition to a two-year fine arts program, there are programs in business administration, civil engineering technology, computer information systems, nursing, and electronic engineering technology. Vocational programs include office administration, cook training and several health options. Six trade specialties are offered.

B.C.'s only recreational vehicle technician program is offered at Okanagan College. Another unique option is a two-year diploma program in water quality technology.

Enrolment totals over 4,000 full-time and part-time students, with more than 25,000 registrations in over a thousand continuing education courses each fall and winter.

SELKIRK COLLEGE

CASTLEGAR (ESTABLISHED 1966)

Selkirk College has the distinction of being the first college established in the interior. Located in Castlegar, it also has a campus in Nelson, where most of its vocational courses are taught, and conducts operations in Trail, Grand Forks, Nakusp, New Denver, Midway and Kaslo.

The college region extends over 45,000 square kilometers, serves a population of 50,000 and includes the school districts of Nelson, Castlegar, Arrow Lakes, Trail, Grand Forks, Kettle Valley and the northern half of Creston-Kaslo.

Its programs include first and second year of academic studies, and a wide range of technical and vocational offerings. The college offers five programs which are unique in the province: the flight training component of the aviation technology program, graphic communications, fire apparatus mechanics, building systems technology, and ski resort operation and management.

Nearly 1,500 full-time and part-time students are enrolled annually, while another 2,200 are enrolled in continuing education programs.

VANCOUVER COMMUNITY COLLEGE

VANCOUVER (ESTABLISHED 1965)

Vancouver Community College is the oldest and largest of the provincial colleges and has four operating centres: the King Edward Campus, Langara Campus, Vancouver Vocational Institute and the Continuing Education Division. It also utilizes 45 off-campus locations.

The college region corresponds to the Vancouver school district and serves a population of approximately 432,000. However, several of its unique programs draw students from all parts of the province and roughly 20% of its enrolment comes from outside the college region.

The college offers a full range of programs: the King Edward Campus has one of the largest English training programs in North America as well as the largest adult basic education program in the province; the Langara Campus offers the largest two-year arts and science program in the province; Vancouver Vocational Institute provides more than 100 vocational programs, many of which are unique in the province, e.g. the dental mechanic and dental technician diploma programs, the hospital unit assistant and pharmacy technical assistant programs. Finally, the Continuing Education Division offers a broad range of certificate programs and part- time courses.

The college serves some 43,000 full-time and part- time students annually as well as 2,000 persons in continuing education courses.

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

BURNABY (AMALGAMATED 1985)

BCIT is British Columbia's only institute of technology and trades, offering over 100 practical, career related programs in engineering, health sciences, business management and trades training. The Institute is an amalgamation of the former British Columbia Institute of Technology (established 1964) and the Pacific Vocational Institute (established 1960).

In the School of Engineering Technologies and Trades, programs are offered in civil and structural, computer systems, electronics, mechanical design, process technology and renewable resources. In addition, over 40 trade programs are offered with many being unique to the province.

The School of Health Sciences offers two year diploma programs in such specialized programs as prosthetics and orthotics, nuclear medicine, cytogenetics medical imaging, medical laboratory science and biomedical electronics. In addition the school has a strong nursing and post diploma nursing program.

In the School of Business, two year diploma programs are offered in administrative systems, broadcast communications, financial management, food and hospitablity administration, tourism and marketing management.

BCIT instructors are drawn from industry and return there for frequent updating. Representatives from industry also serve on program advisory committees.

Approximately 4,600 students annually register in full-time technology programs and 5,500 in full-time trades programs. An additional 30,000 are enrolled annually in part-time programs.

EMILY CARR COLLEGE OF ART AND DESIGN

VANCOUVER (ESTABLISHED 1978)

The Emily Carr College of Art and Design, has served, under different names and with different mandates, the provincial arts and teaching communities since 1925. It moved to its Granville Island site in 1980.

Its curriculum is designed to combine technology and theory with creativity to develop a personal aesthetic style. It offers four-year, professional diploma programs based on such areas of study as painting and printmaking, sculpture and ceramics, graphic design, photography, video, film, animation, art history and alternative media.

First year students take a one-year foundation program, including art history, studio courses and seminars. Students then select a major which is then developed during their last three years of study.

More than 600 full-time students are enrolled in four-year diploma programs. In addition, Emily Carr's part-time studies program provides 500 students with regional arts programs through local colleges, arts councils, galleries, school boards and practising artists.

JUSTICE INSTITUTE OF BRITISH COLUMBIA

VANCOUVER (ESTABLISHED 1978)

The Institute's mandate is to provide justice and public safety programs to professionals and the public. Its major contracts are with the Ministry of Attorney General, the Ministry of Municipal Affairs and the Ministry of Health to provide specific courses for municipal police officers, corrections and court services staff, firefighters and emergency health services attendants. These people are registered by their employers in the programs and the courses are not open to other students.

In addition to these contracted programs, the Justice Institute offers courses through its Extension Programs Department. Resources are also available to design, develop and deliver training programs and services for organizations and groups on a contract basis.

OPEN LEARNING AGENCY

RICHMOND (ESTABLISHED 1988)

The Open Learning Agency (OLA) is the newest member of the British Columbia education system. It is responsible for coordinating, in collaboration with other educational agencies, the development of open learning education and for providing programs and services through open learning methods. These responsibilities include the functions of the former Open Learning Institute (OLI), now transformed into an Open College and an Open University, and those of the Knowledge Network (KNOW).

The OLA collaborates with other post-secondary institutions to ensure that a comprehensive range of education and training programs is available in all regions of the province. The range, including those programs resulting in certificates, diplomas and degrees, include general interest programs, career and technical programs, and university programs. More than 50,000 people are presently studying through open learning.

KNOW, as the provincial educational telecommunications authority, also operates British Columbia's educational television service. The televised service each week is viewed by more than 600,000 people in more than 250 communities throughout the province. The Network is expanding its telecommunications services to include narrowband technologies such as audio-conferencing and computer conferencing.

OLA is also planning the development of a credit bank and an on-line computer data base of educational and training offerings.

PACIFIC MARINE TRAINING INSTITUTE

NORTH VANCOUVER (ESTABLISHED 1978)

The Government of Canada issues certificates of competency to commercial shipmasters, mates and marine engineers. These certificates are issued only after the successful completion of a series of examinations conducted by the federal Ministry of Transport. While the Pacific Marine Training Institute was formally established in 1978 to prepare candidates for those examinations, the training has been provided in British Columbia since 1912.

Located on the waterfront in North Vancouver, the institute specializes in programs for the commercial shipping, fishing and ferry industries. Courses cover such subjects as electronic navigation instruments, meteorology, chartwork and pilotage, astronavigation, marine engineering, ship construction, the safe handling of all types of cargo and, in the case of specialized marine engineering subjects back-up courses in mechanics, thermodynamics and electrical theory. A new program has just been introduced in hazardous material and industrial fire fighting.

In addition to classroom instruction, the institute conducts junior and senior courses in marine radar navigation techniques, marine firefighting, the handling of lifeboats and liferafts, and courses in survival in the event of a marine disaster.

SIMON FRASER UNIVERSITY

BURNABY (ESTABLISHED 1963)

The creation of Simon Fraser University resulted directly from the recommendations of the 1963 "Macdonald Report". It was built and opened to 2,500 students in the record time of two and a half years.

It offers all university core programs in the humanities, social sciences and science; professional programs in education, business and applied sciences; as well as a number of interdisciplinary undergraduate and graduate

programs unique to the province, including kinesiology, criminology, pestology and resource management.

In addition, the university conducts research projects in many fields of knowledge. In addition to the research based in every department, there are 25 research institutes concentrating on specialized areas such as aquaculture, energy, the humanities, gerontology and systems science.

The university, which also operates a campus in downtown Vancouver known as SFU at Harbour Centre, has specifically designed its trimester structure and many of its programs to serve the needs of mature and part-time students. Enrolment in undergraduate and graduate programs stands at 12,000 and 1,500 respectively, with approximately 1,850 degrees conferred each year. In addition, some 17,000 persons are enrolled in continuing education programs. Student residences are available on campus.

UNIVERSITY OF BRITISH COLUMBIA

VANCOUVER (ESTABLISHED 1908)

The University of British Columbia opened in 1915 in temporary headquarters and moved to its Point Grey campus in 1925, where it served as the sole public university in B.C. until 1963. It is still the largest and offers the most comprehensive range of undergraduate and graduate programs.

As well as undergraduate and graduate programs in core academic disciplines and professional programs in education, law, engineering, business, nursing and social work, it serves the province with a number of unique professional faculties and schools: medicine, dentistry, pharmacy, agriculture, forestry, architecture, librarianship, rehabilitation medicine, family and nutritional sciences, audiology and speech sciences.

The university conducts research in a wide spectrum of subject areas. The total external research income is approximately $70 million per year in support of approximately 2500 projects at any one time.

Winter session enrolment in undergraduate and graduate programs stands at 23,000 and 4,000 respectively, with approximately 5,300 degrees conferred annually. In addition, some 78,000 persons are enrolled in non-credit continuing education courses. Residences are available on campus.

UNIVERSITY OF VICTORIA

VICTORIA (ESTABLISHED 1963)

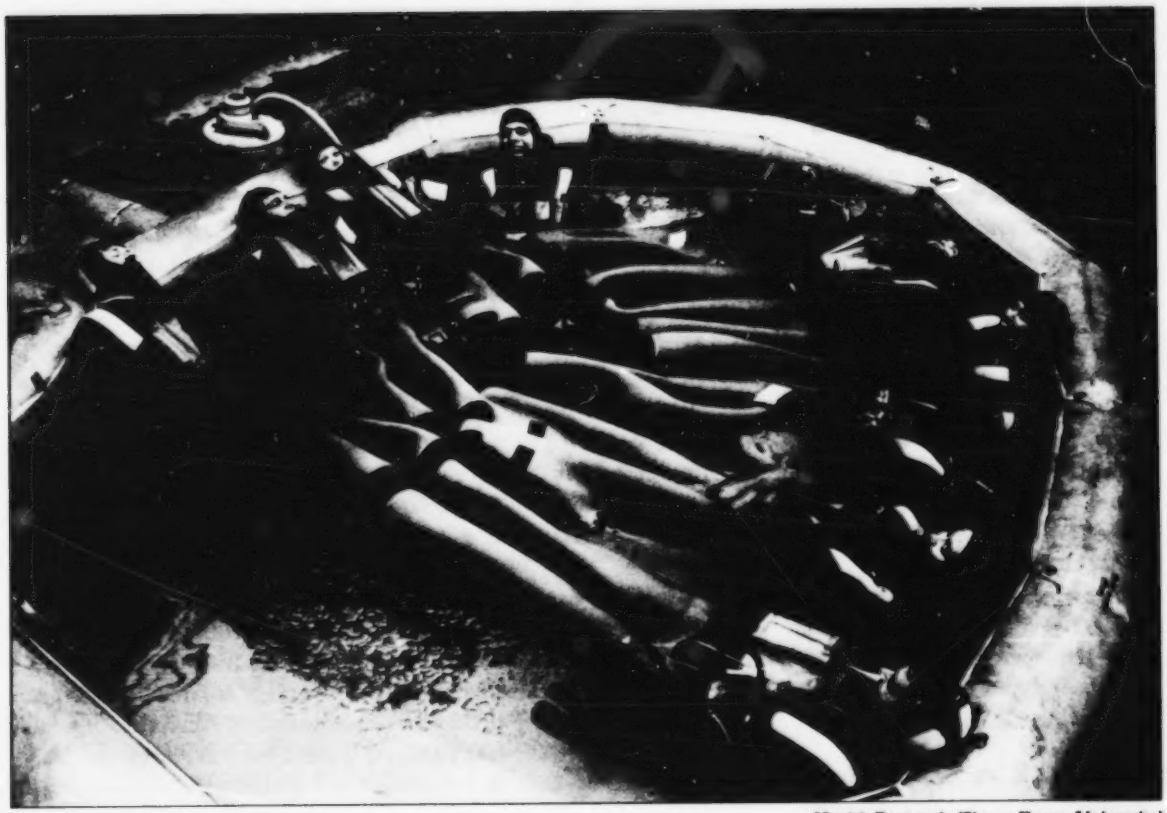
The University of Victoria came into existence as Victoria College in 1903 and offered the first two years of degree programs in conjunction first with McGill University and later with the University of British Columbia. It was granted autonomy as the University of Victoria in 1963.

It offers undergraduate and graduate programs in core arts and science as well as programs in education, engineering, law, fine arts, nursing, and social work. Unique in the province are its child care and public administration programs.

In addition, the university conducts research projects in many fields of knowledge.

Approximate enrolment in undergraduate and graduate programs stands at 11,000 and 1,000 respectively, with some 1,900 degrees conferred each year, and approximately 16,000 persons enrolled in continuing education programs. It attracts to its undergraduate programs a large proportion of undergraduate students from the Island and the interior of the province. It provides accommodation on campus for 1,100 students in four residence complexes.

III. Programs



Health Research (Simon Fraser University)

PROGRAMS

The B.C. post-secondary system offers a wide and complementary variety of programs through its colleges, institutes and universities. These programs range from adult basic education to doctoral studies in a number of academic and professional fields, and from rigorous vocational and technical training to seminars taken for pleasure and personal enrichment. They are offered through an equally varied system of delivery, ranging from full-time attendance at an institution to distance education covering the gamut from correspondence courses to the latest electronic technology.

DEFINITIONS

At present, programs are usually classified as adult basic education, vocational, technical, professional, academic and continuing education. Some programs are also offered through distance education, co-operative education, as well as to the international market.

1. Adult Basic Education Programs

Adult basic education programs enable adults who have interrupted their school studies to resume them in an adult environment. They may wish to do so for reasons of personal satisfaction or to meet entry requirements for vocational, technical or university programs.

The programs are widely accessible through community colleges and the Open College, often starting at the learners' own level and proceeding at their own pace.

Adult basic education programs have evolved over the years into a system of four levels, with transfer permitted among colleges and standard certification: fundamental, intermediate, advanced (all of which lead to institutional certificates) and the provincial level leading to a new provincial diploma certifying secondary graduation.

A B.C. Secondary School Equivalency Certificate can also be obtained by taking the General Educational Development (GED) tests developed by the Ministry of Education and offered at college centres throughout the province.

2. Vocational Programs

a. Trades Related Programs

Training Access Programs

Training access programs constitute a group of entry level courses introducing students to basic technical skills in specific trades (e.g. carpentry, steamfitting, plumbing, automotive mechanics, heavy duty mechanics, joinery, diesel mechanics, electrical, small engine repair, autobody refinishing, motorcycle mechanics, inboard/outboard mechanics).

Recent secondary school graduate and mature students are eligible for these programs, which are offered at most colleges and at BCIT. They are usually given in three steps: a common core, followed by an occupational core, and concluding with specialized courses focussing on a specific trade; they may take 6-8 months to complete.

Students with no industrial or vocational training and no practical experience begin at entry level. Applicants with experience but wishing to increase their knowledge may enter at an intermediate level. Industrial and vocational training in the secondary schools is sometimes recognized by colleges for credit toward advanced placement in the program.

Apprenticeship Programs

Apprenticeship programs consist of three party agreements among (1) employers who agree to provide on-the-job training and supervision, (2) apprentices who agree to discharge their obligations, and (3) the Ministry of Advanced Education and Job Training who agrees to provide appropriate post-secondary vocational training and counselling services.

Of the 185 trades and occupations in B.C., about 40 are accessible through apprenticeship programs, with the largest component of the training taking place on the job. The number of openings is limited and students are expected to contact employers directly. Apprenticeship may take from 2 to 6 years, but most programs take 4 or 5 years to complete. During that time, apprentices earn wages, usually starting at 50% of a normal wage.

b. Office Related and Other Programs

These programs provide training to individuals intending to work in modern, technology oriented offices, in various fields of specialization. They also provide employment training in such fields as business and commerce, community service, health, tourism and personal services, and natural resources.

Community colleges and institutes offer a wide variety of vocational programs, some of which are available at one institution only. Vocational programs usually take one year or less to complete.

Admission requirements vary depending on the program and the institution. Students often make up for their insufficient qualifications through adult basic education programs.

3. Technical Programs

Technical programs provide specialized education and training, usually for employment supporting professional research, development and design activities in medical, industrial, scientific or commercial fields.

These programs are generally of one or two years duration and have varying mixes of academic and practical components. Completion of some technical programs result in advanced standing in professional programs offered at the universities in the same fields.

The colleges offer a large number of programs in the various technologies. As well, the recent amalgamation of the Pacific Vocational Institute and BCIT has served to focus much of the activity in technical instruction in one place.

Most technical programs are offered at several institutions throughout the province (as illustrated in the program tables). A few programs, however, are unique to certain institutions, or because of the need to avoid the unnecessary duplication of costly equipment.

Certification

Credentials offered by the institutions do not necessarily enable graduates to practise their skills. Many are subject to ratification by an accrediting agency. These agencies can either restrict access to certification examinations to graduates of accredited programs (e.g. nursing programs); or directly license graduates by virtue of their completing an accredited course (e.g. early childhood programs); or grant transfer credit to the agency program (e.g. business courses offered at many institutions are directly transferable to the professional programs of accounting institutes).

4. Professional Programs

Professional programs designed for employment are available in many fields (e.g. law, engineering, education, post-basic nursing, commerce and business administration, architecture, forestry, medicine, pharmacy, and many other fields of specialization). Some programs are offered at all three universities while others may remain the sole responsibility of one institution.

The province is well serviced in the area of professional education since its universities offer all the main professional programs, except optometry and veterinary medicine (the latter being established for the four Western provinces at the University of Saskatchewan).

Many professional programs are entered directly at the university level, with admission requirements specified by each university. However, colleges and institutes may provide advanced standing in some professional fields (e.g. nursing, forestry, engineering).

5. Academic Programs

B.C. institutions offer academic courses in many disciplines in the humanities, the social sciences and the biological/physical/mathematical sciences. These programs are intended to promote the understanding of a field of study rather than its practical application in terms of employment. However, they often constitute a prerequisite for, or a component of, professional programs. They are offered at three levels:

College/University Transfer Programs

All colleges offer first and some second year courses in what may be considered "core" disciplines, from which other fields of study derive (e.g. English, psychology, political science, history, geography, French, chemistry, physics, mathematics), as well as in the visual and performing arts.

Many academic courses are transferable to degree programs at the universities and are sometimes known as University Transfer (UT) programs. They also serve in providing a good basic education, which can be an end in itself, as recognized in the Associate in Arts and Associate in Science diplomas which several colleges offer.

Many first and second year academic courses are available through the Open University, which offers programs developed in collaboration with the other three universities.

Admission requirements to UT college courses usually include graduation from a B.C. secondary school or equivalent, or completion of college entrance examination.

Undergraduate Programs

The three universities offer undergraduate programs leading to the Bachelor's in Arts or Science degrees. They usually require four years of study to complete. Many of these programs offer an option with a Major in a particular discipline and another, more specialized, Honours option. Admission requirements vary among institutions and among programs.

While most undergraduate academic degree programs require at least one year of attendance on campus, SFU and the Open University offer some programs which can be taken entirely by various distance education means.

Graduate Programs

All three universities offer graduate programs at the master's and doctoral levels, although not all doctoral programs are offered at all universities.

Admission to the master's program requires a bachelor's degree, and admission to the doctoral program usually requires a master's degree.

Research is usually required in many of these advanced programs, both in academic and professional fields.

6. Continuing Education Programs

All post-secondary institutions offer continuing education courses, programs, seminars or lectures, serving the professional and lay community in many varied ways. Enrolment figures reflect the strength and popularity of this vital component of the B.C. post-secondary system.

The flexible nature of these courses enables the institutions to respond quickly to the needs of the community and to changes in social, economic and employment conditions. They enable individuals to alternate or combine employment with formal study, as well as pursue studies for personal enrichment. Many of these programs are of short duration and have no particular admission requirements.

Continuing education programs consist of regular programs of the institutions offered at more flexible times, and programs based upon specific needs identified through community educational development programs or by community based groups. They may be used as credit towards credentials awarded by the institutions, or they may be designed to carry no formal credit.

7. Distance Education Programs

The B.C. distance education network facilitates access to higher education for those unable to attend regular classes because of geographic, physical, economic or personal circumstances. Several institutions are involved in a major way in offering courses through a combination of correspondence, telephone tutoring, audio-visual cassettes and television broadcasts (e.g. universities, North Island College).

The Open Learning Agency (OLA) provides a comprehensive, high technology infrastructure for distance education through (1) the educational cable television facilities of the Knowledge Network, in support of specific college and university courses and for the interest of the public at large, (2) the Open College, which gives access to training in several vocational and technological fields, as well as to adult basic education, and (3) the Open University, which grants its own degrees and collaborates with the other universities in offering mutually transferable courses. However, some transfer restrictions apply and students should check with their institution.

The Open University does not require the educational background necessary for admission to the other universities. OLA also intends to develop a credit bank to assist students in tracking their formal education and work experience and facilitate credit transfer among institutions.

8. Co-operative Education Programs

Many institutions offer co-operative education programs, whereby work terms are formally integrated with periods of classroom instruction. Work placements are negotiated between the educational institutions and the employers.

In some cases, the institutions may offer the same program in the regular, strictly instructional manner and the "co-op" program as an alternative; in other cases only one type of program is available. These options are not indicated on the program tables in this booklet and students must consult the calendar of their chosen institution.

While "co-op" programs provide the advantage of remunerated work experience supervised by both the institution and the employer, they do lengthen the program. For example, a normal college diploma program of four terms (16 months) of classroom instruction may require an additional three work terms (12 months); similarly, a university program consisting of four academic years may be extended by up to two years of related work experience before graduation.

9. International Education Programs

Most B.C. post-secondary institutions provide international education services. They offer regular campus programs to foreign students with a valid student visa issued by Immigration Canada, as well as English as a Second Language (ESL) courses or summer programs.

The institutions also send abroad instructors and/or provide programs which have been developed for, or adapted to, the foreign market. As well, faculty members from foreign institutions may come to B.C. for advanced training or to use research facilities.

Some B.C. institutions have established formal ties with foreign institutions. The universities have long standing programs of instruction and research abroad, with a strong current emphasis on the Pacific Rim countries.

CASE STUDIES

This section considers the questions students may ask once they have decided on a particular field of study. For instance, what programs are offered in their chosen field in the region? What do they lead to? Could students transfer to another institution and how much of the work already done will be credited at the new institution?

There are no clear cut answers since much depends on the individual course of study. Some transfer arrangements are formalized, while others are decided on an individual basis. Transfer mechanisms among institutions are monitored regularly through a ministerial committee on post-secondary articulation.

The previous section has already described the planned progression of training in the trades and of study in the academic area, from qualifying adult basic education to apprenticeship programs sanctioned by the Ministry of Advanced Education and Job Training on the one hand, and from first year academic courses taken at a college or by distance education to a Ph.D. taken at one of the universities on the other hand. The same structure does not apply to all fields of study, but the post-secondary system of institutions attempts to facilitate students' progress through the various and changing steps of their career.

To illustrate how such progress can be achieved, four fields of study will be considered here: nursing, fine arts, forestry and tourism.

Nursing

Long Term Care Aide Program

A 13-17 week certificate program for long term aides is available at most colleges. Graduates provide, under the direction of a health care team, services to people confined to residential or long term care settings. They may also be employed by home support service agencies to provide basic personal care and assistance in the home setting.

Completion of Grade 10 is normally required for admission, but mature student status may be substituted for this requirement.

Licensed Practical Nurse Program

A longer training period of about 10 months, as well as completion of Grade 12, or equivalent, are required for the licensed practical nurse (LPN) program. Graduates are most frequently employed in long term and extended care facilities or in hospital areas where highly skilled care is not required. Work is directed by registered nurses (RNs) or physicians.

This program is offered at Malaspina, Okanagan, Selkirk and VCC, and may constitute the beginning of a long "laddering" process in the nursing profession.

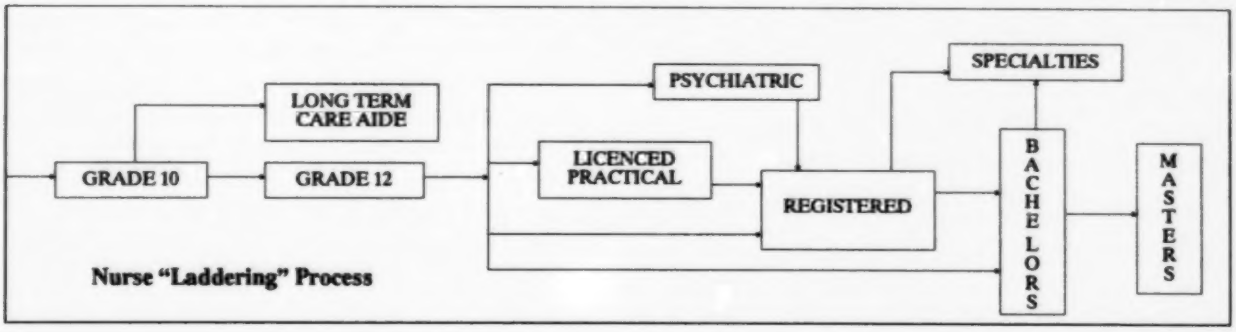
Registered Nurse and Post-Basic Specialization Programs

The RN program, as indicated in the diagram can be entered directly, with Grade 12 or equivalent, and some prerequisite courses, or after the LPN certification. This latter option is offered at New Caledonia, Douglas and Okanagan, and takes 10-16 months to complete, depending on the training institution, it recognizes about 3/4 of the work done for the LPN program.

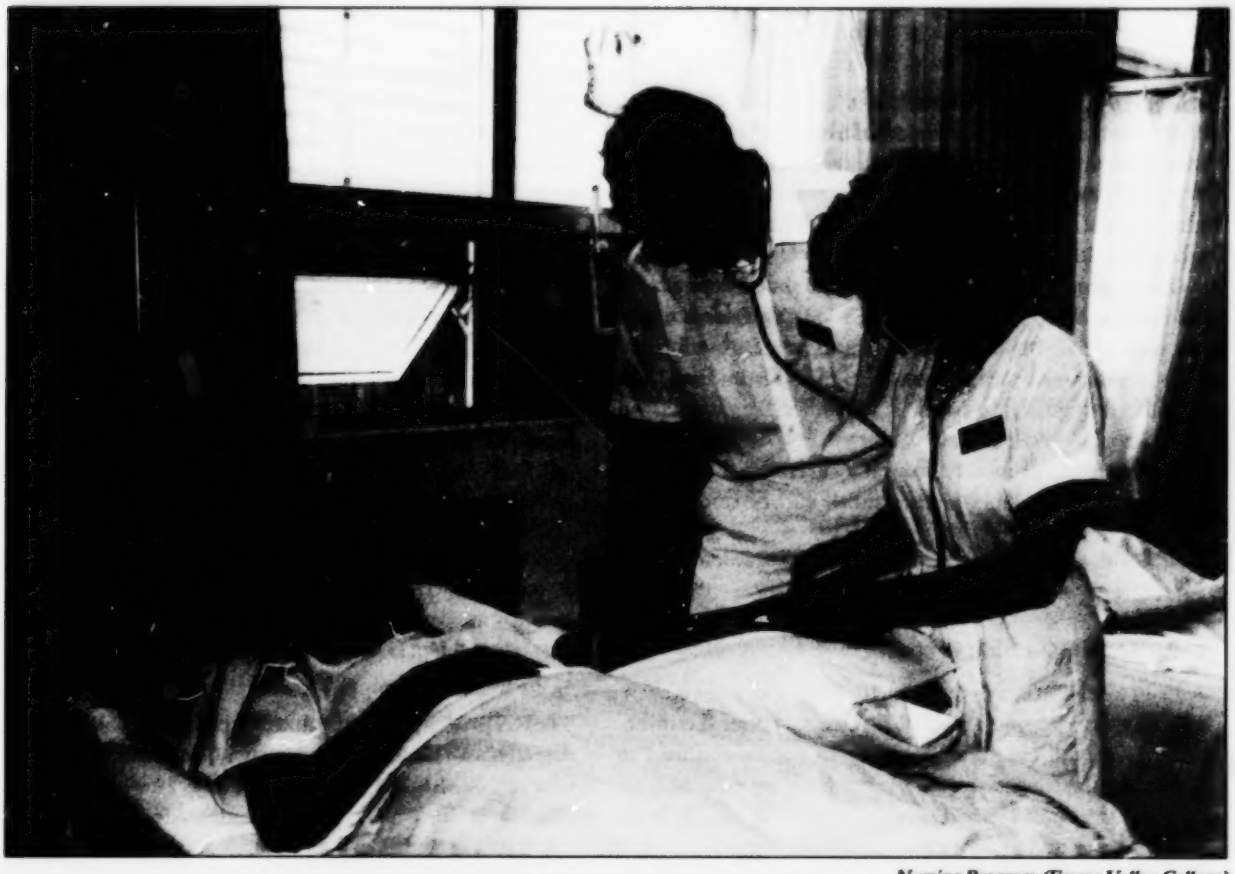
The 2-3 year general nursing program, leading to a diploma and registration to practise in B.C. as a registered nurse, is offered at BCIT, VCC, Kwantlen, Douglas, Malaspina, Okanagan and Selkirk. As well, North Island, East Kootenay, Fraser Valley, Northern Lights and Northwest offer the first year of this program, to be completed at BCIT. All these programs satisfy the requirements of the Registered Nurses Association of B.C. (RNABC).

Registered nurses have three options in their career path: continue nursing at the RN level, specialize, or proceed to a university degree.

Those who continue practising at the RN level have the opportunity to upgrade their skills through continuing



Nurse "Laddering" Process



Nursing Program (Fraser Valley College)

education courses, usually offered by their hospital or through RNABC. As well, RNs who have been away from active nursing practice for five years or more and wish to resume work can take nursing refresher courses (12-23 weeks) offered by various colleges, BCIT and the Open College.

The opportunity to specialize exists in different fields of nursing. A two year psychiatric nursing program is offered at Douglas and requires completion of Grade 12, or equivalent. Several post-basic programs are given at BCIT on a part-time basis through correspondence and lead to a diploma. They are offered in critical care, obstetrics, emergency, operating room, occupational health, neonatal, corrections and rehabilitation nursing. BCIT also offers on campus a one year post-basic diploma program in diagnostic medical sonography. Finally, New Caledonia offers through distance education a post-basic diploma program in nursing in rural hospitals.

University Nursing Programs

Two universities, UBC and U.Vic., offer programs leading to the Bachelor of Science in Nursing (B.S.N.) credential.

The four year UBC program can be entered directly by Grade 12 graduates who completed the prerequisite courses. Individuals who already hold the RN designation can either enter the third year of the UBC general nursing program or the U.Vic. program specifically designed as a two year post-basic nursing program. These two options require some practical nursing experience prior to admission. Post-basic specialization does not receive advanced credit toward the B.S.N. degree.

Employed RNs who wish to pursue their university education and obtain the B.S.N. degree can do so through the universities' outreach programs, which are delivered through combined correspondence courses, audio-visual means, teleconferencing and television.

The B.S.N. degree offered at UBC and U.Vic qualify nurses to enrol in the UBC Master of Science in Nursing (M.S.N.) program, provided that the requirements of community health nursing, psychiatric nursing, statistics, and practical nursing experience have been satisfied.

Fine Arts

Anyone interested in pursuing a career, professional upgrading or personal development in the fine arts at the post-secondary level, may do so in many fields.

The "fine arts" include a very wide array of educational programs in the visual arts, the applied arts, and the performing arts:

> **The visual arts** include fields such as painting, drawing, sculpture, printmaking/lithography, photography and media arts.
>
> **Applied arts** generally refer to such forms as crafts, graphic design, interior design, fashion design, and stagecraft.
>
> **The performing arts** deal with fields such as musical composition, playwriting, choreography, acting, vocal and instrumental performance, and dance.

The fine and applied arts clearly influence our daily lives. The works of artists, designers and craftspersons surround us at home and at work, they are visible in utilitarian objects, in the furniture, automobiles, clothing and other consumer goods. Writers, composers, performers also influence us through the various communication media.

Education and training in these fields can be obtained at the following levels:

At the college level

Colleges offer two types of fine arts programs: those designed for transfer to a university or to Emily Carr after one or two years of study; and those intended for employment directly upon graduation. The latter are generally two year applied programs in crafts, commercial art, fashion design, commercial music, interior design or stagecraft.

At the institute level

The Emily Carr programs provide intensive study and training in the visual arts or design, strongly focussed on studio experience. The first year foundation program, which is required of all Emily Carr students is also available at Terrace, Prince George and Castlegar through college facilities at those locations. The institute offers four year diploma programs in studio design. In addition, it provides many opportunities for upgrading and professional development.

At the university level

The three universities provide numerous academic undergraduate and graduate degree programs in the visual arts, art history, music, theatre, film studies, and creative writing.

Fine Arts (Kwantlen College)

Students may enrol directly in these programs, or first take one or two years of university transfer courses at a college.

In a different vein, UBC has recently introduced an MBA program in Art Administration.

Distance Education

The Open Learning Agency provides opportunities for the study of fine arts through distance education, working cooperatively with institutions such as Emily Carr. By using various electronic and print methods, OLA reaches people in all geographic areas of the province, particularly with the recent development of special fine arts telecourses.

Continuing Education

Emily Carr's Mobile Art Studio travels throughout B.C., bringing many opportunities for the study of art in a variety of media to people of all ages in many communities. Instruction usually takes the form of short-term, non-credit weekend workshops.

As well, other institutions offer continuing education programs in a variety of fine arts fields.

Admission

As the demand for education and training in the fine arts continues to be high, the admission process should be initiated early in order to ensure a place in the appropriate program. Institutional prerequisites for entry to fine arts programs should also be carefully investigated. For example, a portfolio including sample of work done is required by most institutions for admission to visual and some applied arts programs. An audition is generally required for entry to a performing arts program.

Forestry

All three types of institutions train people intending to work in the B.C. forest industry.

At the vocational level

Three programs are offered:

Training for forestry crewpersons (10–12 weeks) depending on the institutions offering the program: BCIT, Malaspina, and North Island). Grade 10 is required for admission to this program which qualified graduates for employment with federal or provincial governments and large forest companies in tree planting and thinning activities, fire fighting, power saw operation and maintenance, etc.

Graduates of the forestry crewpersons' programs can then enrol in the 3 week **tree trimming trade training** program offered at BCIT.

Log scaling (5 months, at Malaspina): coastal scaling (9 weeks) and interior scaling (2 weeks) are both offered at Northwest. Typically, graduates work on bundle booms, flat booms and dryland sorts, determining log grades and measuring log volumes.

At the technical level

Two year diploma programs are offered, with requirements including completion of Grade 12, or equivalent, and appropriate prerequisite courses in the following areas:

Wood product manufacturing technology (production of lumber and plywood), offered at BCIT and Selkirk. Graduates are qualified to fill supervisory, technical, marketing and sales positions.

Forestry resource technology (forest and forest resource management), offered at BCIT. Graduates of this program may transfer to the UBC Forestry degree program or fill a variety of industrial and government positions in reforestation, forest fire control, surveying and mapping, etc. Similar programs are offered at New Caledonia, Malaspina and Selkirk.

At the professional level

Forestry degree programs are available at UBC. Students have access to the bachelor's degree program (either B.Sc (Forestry) or the B.S.F.) in two ways: either with Grade 12, or equivalent, and appropriate course prerequisites, or after completion of the first year of the forestry degree program at selected colleges. This first year of forestry at a college can be either completed entirely at New Caledonia, or taken at Okanagan with the required dendrology course taken by correspondence from UBC with a five day laboratory session on the UBC campus.

Professional development courses are offered by UBC, usually by correspondence. There is also a management diploma program for foresters offered off-campus.

Forestry (College of New Caledonia)

Tourism

A number of programs are in place to meet B.C.'s second largest industry, which offers good career prospects and the opportunity for self-employment as well as seasonal employment.

The tourism industry is divided into six sectors: hospitality, accommodation, transportation, attractions, recreation and services. Supervisory and management programs in these various areas are also offered.

Hospitality

Most of these programs have some age and health admission requirements, and usually require completion of Grade 10 or mature student status.

The following programs are available:

Bartending (60-80 hours; Selkirk, Okanagan, East Kootenay).

Commercial baking (9-10 months; BCIT, Selkirk, VCC). Apprenticeship is also available in this area.

Cook training several specializations and levels, with apprenticeship program also available (10-15 months, Grade 12 completion usually preferred). The program is offered at most colleges (New Caledonia, Camosun, Cariboo, Malaspina, Northwest, Northern Lights, Okanagan, VCC, East Kootenay, Selkirk) and BCIT. Cariboo and Northwest offer upgrading courses for people already in the industry, and VCC also offers 6 month courses in Chinese cuisine and Japanese cuisine.

Delicatessen (4 months; VCC).

Waiter/waitress (dining room and lounge service and professional restaurant service). Length of program varies with the institutions but is around 12 weeks. It is offered at Capilano, East Kootenay, North Island, Selkirk, VCC and BCIT.

Food services technician. (2 years, VCC) Maturity and experience are part of the requirements. Graduates are eligible for membership in the Canadian Food Service Supervisors' Association.

Kitchen management (4 months, VCC). The program is open to graduates of a cook training program, or equivalent, with three years experience in the industry.

Accommodation

Certificate programs in this area include:

Front desk clerk training (e.g. East Kootenay, 60 hours).

Housekeeping (e.g. North Island, East Kootenay, 30 hours).

Courses are also available at BCIT.

Recreation, Transportation, Attractions

People interested in obtaining training in these fields should enrol in general programs available at many institutions (e.g.

Cook Training (Northwest Community College)

outdoor recreation program at Capilano, leisure and recreation program at Cariboo).

Services

Travel counsellor's programs, approved by the Canadian Institute of Travel Counsellors, are offered at four institutions: Camosun, VCC (4 months), Okanagan (part-time), and OLA (student's own pace). North Island offers the travel counsellor's program subject to sufficient enrolment. Completion of Grade 12 is usually preferred.

Management

A number of diploma and certificate programs are available:

Certificate in Tourism is offered by North Island, Malaspina, Camosun, VCC, BCIT, Cariboo, Okanagan, Selkirk and East Kootenay. The program varies from 350 to 450 hours, depending on the specialty. It is usually designed for part-time students who have been working in the tourism industry for at least one year, but is also available full-time at some institutions. The program consists of seven core courses plus specialty courses in one or more sectors of the industry. Malaspina and VCC offer a full-time dining room and lounge supervisor's program as a hospitality specialization in the certificate in tourism program.

Hotel and restaurant administration: a two year diploma program offered by Camosun, Malaspina and BCIT.

Ski area management: a one year program offered at Selkirk. It requires completion of Grade 12, or equivalent, and gives preference to applicants with significant work experience in the ski industry.

BCIT offers a two year diploma program in travel and tourism, with a marketing focus.

SFU offers a foundation program in tourism management leading to certificate and designed for people involved in the tourism industry or planning to do so.

IV. Program Tables

Convocation (Simon Fraser University)

Quail Research Unit (U.B.C.)

PROGRAM TABLES

INTRODUCTION

The program tables are not intended to replace institutional calendars but to serve as a guide to the variety of programs offered by the B.C. post-secondary system.

A program, in the present context, is defined as a structured progression of courses constituting training or education in trades, vocational, technical, professional and academic fields of learning.

SYMBOLS

V = Various Courses

Various credit and non-credit courses are sometimes given in fields where no actual program is offered by the institution.

T = Training

This symbol indicates structured training intended to satisfy the requirements of a trade or a clerical occupation. The length of training varies from a few weeks to a few months.

C = Certificate

A certificate program involves one year or less of full-time study at a college or institute, usually as preparation for employment. Entrance requirements are Grade 10 completion, or higher, with specific grade and subject requirements. University level certificate usually take a year to complete, with admission requirements being secondary school graduation, or equivalent, or mature student status.

D = Diploma

This symbol refers to three different types of diploma:

The college and institute diploma, which involves two years of study, usually in preparation for employment. Some colleges also offer an academic diploma after two years of university transfer courses. Entrance requirements usually include secondary school graduation, or equivalent, with specific grade and subject prerequisites.

The Emily Carr diploma, which takes four years to complete and includes admission requirements of secondary school graduation, or equivalent, experience in the field, and submission of a portfolio.

The university diploma, which is usually offered at the post-baccalaureate level and requires two years to complete.

UT = University Transfer

This symbol refers to academic courses which are transferable to a university program. Where both "UT" and "D" are present, they indicate that the college also offers an academic credential after two year of UT courses, usually called an Associate in Arts/General Studies/Science Diploma.

B = Bachelor's Degree Program

This symbol refers to various types of bachelor's degrees, depending on the discipline, e.g. Bachelor's of Arts (B.A.), of Science (B.Sc.), of Applied Science (B.A.Sc.), of Science in Nursing (B.S.N.). Completion of these programs usually takes four years. Admission requirements vary according to the Faculty or School selected. Most require secondary school graduation, with appropriate grades and prerequisite courses, but others (e.g. Law, Architecture) require more advanced standing.

M = Master's Degree Program

As with the previous symbol, this one covers a number of credentials, e.g. Master of Arts (M.A.), of Science (M.Sc.) and usually indicate an advanced degree in the same field as the bachelor's. Exceptionally, they may refer to a first professional credential, such as a library degree (M.L.S.). Admission to a master's program usually includes completion of bachelor's degree.

Ph.D. = Doctoral Degree Program

A doctoral degree in academic fields and many professional fields is usually identified as a Doctorate of Philosophy (Ph.D.). However, in the tables, this symbol applies to a number of doctoral degrees other than the Ph.D. proper, e.g. Doctor of Medicine (M.D.), Doctor of Dental Medicine (D.M.D.). Admission to the doctoral program usually requires completion of a master's degree or a bachelor's degree with special qualifications.

SYMBOLS

- V Various courses
- T Training
- C Certificate
- D Diploma
- UT 1st/2nd year academic/ University transfer
- B Bachelor's Degree
- M Master's Degree
- PhD Doctoral Degree

	COLLEGES										INSTITUTES										UNIVERSITIES			
	Camosun	Cariboo	Capilano	New Caledonia	Douglas	East Kootenay	Fraser Valley	Kwantlen	Malaspina	North Island	Northern Lights	Northwest	Okanagan	OLA Open College	Selkirk	Vancouver Community College	BCIT	Emily Carr	Justice Institute	Pacific Marine	OLA Open University	Simon Fraser University	University Of British Columbia	University Of Victoria
ACADEMIC UPGRADING																								
Adult Basic Education/Literacy Instruction	C	C	C	C	C	C	C	C	C	C	C,D	C	C,D	C	C,D	C,D						C		
English as a Second Language	T		T	T	T	T	T			T	T	T	T	T	T	T						V	V	V
AGRICULTURAL SCIENCES																								
Agriculture (various specializations)						UT	D,UT				C,D												B,M,PhD	
Apiculture (Beekeeping)									T		V											V,C		
Animal Health/Pre-Veterinary Program			V,D																			UT	UT	UT
Chemical/Biological Sciences/Technologies	UT																T,D					V		
Farrier								T																
Food Processing/Food Science										T							T,D						B,M,PhD	
Horticulture/Landscape Architecture		C	C			D		C	T,C					C			T,D						B	
Orchardist (commercial and practical)																								
ARCHITECTURE & PLANNING																								
Architectural Drafting				T			T	T						T		T	T,C							
Architecture																	T,D						B,M	
Community & Regional Planning																						V	M,PhD	
ARTS – FINE, APPLIED & PERFORMING																								
Art History	UT	V,UT	UT				UT	UT	UT		UT		UT,D			UT		V				V	D,B,M,PhD	B,M
Graphic Design/ CommercialArt		D	D				D	D	D	UT	V				C	D		D						
Dance											C,D											B	V	
Fashion Arts/Apparel Design							D	C,D																
Fine Arts/Visual Arts	D	UT,D	D	T			C,D	UT,D	UT,D	UT	UT,D		D			D		D			V	B	B,M	D,B,M
Media Arts - Animation, Film, Television																	D	D				B	D,B,M	
Music (Vocal, Instrumental,Performance)	D	UT,D			UT,C		UT,T															B	B,M,PhD	B,M,PhD
Music Therapy		D																						
Musical Instrument Construction/Repair					C																			
Photography									V		V		V		C	D		D				V	V	V
Stagecraft Technology/Production Theatre Design/Acting		UT	UT,C		UT	UT,D	UT,D		UT,D		V					UT,D						B	B,M	B,M
Theatre Studies					UT	UT	UT,D															B	B,M,PhD	B,M
Three-Dimensional Art (Sculpture, Ceramics/Textiles)	D	D,C					D		UT,D	UT								D					V	V
ARTS & HUMANITIES																								
Asian Languages/Literature and Pacific Studies		V,UT			V								UT			UT,D						V,C	B,M,PhD	B
Canadian Literature/B.C. Studies	UT,D	UT,D					UT	UT	UT		V		UT		UT	UT,D						C,B	V	B
Classics									UT	UT						UT,D						V	B,M,PhD	B,M
English Language/Literature	UT,D	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT,D					B	B,M,PhD	B,M,PhD	B,M,PhD
Ethnic Relations																						D		

SYMBOLS

- V Various courses
- T Training
- C Certificate
- D Diploma
- UT 1st/2nd year academic/ University transfer
- B Bachelor's Degree
- M Master's Degree
- PhD Doctoral Degree

	COLLEGES										INSTITUTES										UNIVERSITIES			
	Camosun	Cariboo	Capilano	New Caledonia	Douglas	East Kootenay	Fraser Valley	Kwantlen	Malaspina	North Island	Northern Lights	Northwest	Okanagan	OLA Open College	Selkirk	Vancouver Community College	BCIT	Emily Carr	Justice Institute	Pacific Marine	OLA Open University	Simon Fraser University	University Of British Columbia	University Of Victoria
Germanic Languages/Literature		UT	UT		UT	UT,V							UT,D			UT,D						V	B,M,PhD	B
History	UT,D	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT,D					B	C,B,M,PhD	B,M,PhD	B,M
Humanities/Liberal/General Studies					UT		UT														B	C,D,B	V	B
Latin American Studies																						B	B	
Linguistics					UT				UT													B,M,PhD	D,B,M,PhD	D,B,M,PhD
Philosophy	UT,D	UT,D	UT	UT	UT	UT	UT		UT	UT	UT		UT,D			UT					V	B	B,M,PhD	B,M
Religious Studies						UT	UT				UT		UT,D			UT							B,M,PhD	
Romance Languages/Literature	UT,D	UT,D	UT	UT	UT	UT,V	UT		UT	UT	UT	UT,D	UT,D		UT	UT					V	B,M,PhD	B,M,PhD	B,M
Slavic Languages/Literature							UT																B,M,PhD	B
BIOLOGICAL SCIENCES																								
Biochemistry/Microbiology			UT	UT		UT							UT									B,M,PhD	B,M,PhD	B
Biology	UT	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT					B		B,M,PhD	B,M,PhD
Botany									UT				UT,D										B,M,PhD	
Genetics													UT,D			D						V	M,PhD	V
Marine Science/Oceanography									UT													V	M,PhD	V
Zoology									UT														B,M,PhD	
BUSINESS/COMMERCE, MANAGEMENT & ADMINISTRATION																								
Accounting Management	D		D	D	D	D	C		C,D		UT	C,D	V		D	D	D					V	D,B,M,PhD	
Business Admin. (various specializations)	UT,D	D	UT,C,D	C,D	C,D	C,D	C,D	D	C,D	UT,D	C	C,D	D	C,D	UT,D	D	D				B	M	B,M,PhD	
Commerce (various specializations)	UT	UT	UT	UT	UT,D	UT			UT				UT		UT	D						V	B,M,PhD	V
Computer Systems Management	D	D	D	D	C, D	D	D	D	D	D		D	D		D	D	D						M,PhD	
Construction Management				D	D									C		V	C							
Financial Managment	D	D	D	D	D	V		D	D				V	V		D	D		V		V	V	B,M,PhD	
Industrial Supervision/Relations/Admin.								D						C								V	B,M,PhD	
Insurance (general)																D								
Management and Systems Science																						B	M,PhD	
Management for Foresters/Engineers																						V	C	
Marketing Management	D	D		D	D	V		D	D				V		D	D	D					V	D,B,M,PhD	
Municipal Government Administration	C		C						C,D													V		V
Operations Management													V				D		V			V		
Organizational Behaviour																							B,M,PhD	
Pacific Rim Business/International Business	D	D														D							M,PhD	
Public Administration	D																				V	V		D,M
Realty Appraisal/Real Estate/ Urban Land Economics																C,D	T,D						D,B,M,PhD	
Small Business/Retail/ Entrepreneurial/Management	C	D		T		C			C	C	V		C	C		D	D					V		
Transportation/Distribution Management					V												D					V	B,M,PhD	

SYMBOLS

- V Various courses
- T Training
- C Certificate
- D Diploma
- UT 1st/2nd year academic/ University transfer
- B Bachelor's Degree
- M Master's Degree
- PhD Doctoral Degree

	COLLEGES										INSTITUTES										UNIVERSITIES			
	Camosun	Cariboo	Capilano	New Caledonia	Douglas	East Kootenay	Fraser Valley	Kwantlen	Malaspina	North Island	Northern Lights	Northwest	Okanagan	OLA Open College	Selkirk	Vancouver Community College	BCIT	Emily Carr	Justice Institute	Pacific Marine	OLA Open University	Simon Fraser University	University Of British Columbia	University Of Victoria
CLERICAL																								
Bookkeeping/Accounting	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	V							
Clerk Typist		T,C	T,C	T,C	T,C	T,C		T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C								
Computer Applications	T	T,C	C	T		T	T	T	T		C	T	T		T	T, C	V		V,T			V		
Dental Receptionist								T																
Office Administration/Secretarial	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	V		V					
Office Clerk			C			T	T	T	T	T	T	T	T		T	T,C								
Office Management/Office Systems					D							D	T,C	C		T,C								
Secretarial (both legal and medical)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	T,C	V							
Word Processing	C	C	C	C	C	C	C	C	C	C	C	C	C		C	T,C	V							
COMMUNICATIONS																								
Communications Arts/Studies	UT				UT			UT								UT						B,M,PhD	V	
Electronic Publishing															C	T,C						V		
Journalism – Print & Broadcast Commun.			C					C								C,D	D							V
Media Resources/Applied Communications	D	D																				V		
Public Relations/Publishing								C,D														V		
Writing (Creative/Technical, Editing)		V	UT		UT	V		UT				V			C	UT	V					V	B,M	B
COMMUNITY/SOCIAL SERVICES PROGRAMS																								
Child Care (Counselling)					C											UT			V				V	B
Early Childhood Education & Care	C	C	C	C	C,D	C	C		C	C	C	C	C		C	T,C						V		
Family Science																							B,M	
Firefighting(Indust./Prof./Volunteer)																			T					
Nanny								T	T															
Social Work				C,UT	C	T,C			UT,C		V	UT,C	UT,D		C	D			V,T,C		V		B,M	B
Sign Language Communication				C		V				V						C								
Therapeutic Recreation Technician					C,D								C			T								
EDUCATION																								
Education (various specializations)				UT					UT		UT		UT			T,C						D,B,M,PhD	B,M,PhD	B,M,PhD
Native Indian Education Programs	UT			T			UT									T						V	V	
Special Education/Learning Disabilities				T,C	T,C	T,C		T,C	T,C	V			T,C			T,C						V	B,M,PhD	V
ENGINEERING & RELATED TECHNOLOGIES																								
Aircraft Maintenance & Aircraft Structure											D						T,C							
Aviation Technology (Pilot Training)							D								D		V							
Appliance Repair				T,C					T,C						T,C		T,C							
Automation/Robotics								T									T,D					B	V	V
Building/Construction Technology				D												C	T,D						V	

SYMBOLS

- V Various courses
- T Training
- C Certificate
- D Diploma
- UT 1st/2nd year academic/ University transfer
- B Bachelor's Degree
- M Master's Degree
- PhD Doctoral Degree

	COLLEGES											INSTITUTES						UNIVERSITIES					
	Camosun	Cariboo	Capilano	New Caledonia	Douglas	East Kootenay	Fraser Valley	Kwantlen	Malaspina	North Island	Northern Lights	Northwest	Okanagan	OLA Open College	Selkirk	Vancouver Community College	BCIT	Emily Carr	Justice Institute	Pacific Marine	OLA Open University	Simon Fraser University	University Of British Columbia	University Of Victoria
CAD/CAM Technologies/Manufacturing Engineering Technology	D		C,D	C							C						T,D						V	
Chemical Engineering																							B,M,PhD	
Civil/Structural/Engineering/Technology	D												D				D						B,M,PhD	
Computer Aided Drafting & Design			D	T,C				T,C		V						T,C	V						V	
Engineering Science																						B,M	B	
Engineering Transfer Program			UT	UT		UT			UT				UT		UT							UT		
Diesel Electric Power Mechanics									T							T,C	T,C							
Drafting Trade/Technician				C,D		V	T,C	T,C		C				T,C		T,C	T,C							
Electrical/Computer/Electronics Engineering/Technology	D			D				D	D	D			D		D	T,C	T,D					V	B,M,PhD	B,M,PhD
Marine Engineering& Nautical Training	T									T		T								T,V			V	
Mechanical Engineering/Technology	T																D						B,M,PhD	
Mechanical Systems Technology																	D						V	
Metals/Materials Engineering																							B,M,PhD	
Mining Engineering/Technology																	UT,D						B,M,PhD	
Petroleum Technolgy																	T,D						V	
Plastics Technology								C			V						D						V	
Surveying				T									V				T,D						V	
FORESTRY & RESOURCE MANAGEMENT																								
Aquaculture		T,C							C,D	C			T,C	V								V	V	V
Forestry (various specializations)				UT		V								UT		UT					UT	V,UT	B,M,PhD	
Forest Resource Technology				D					D				D			D	T,D					V		
Forestry Crewperson				C		C			C	C	C	C					T,C							
Environmental Science (var. specializations)	V															UT						V,D	B,M,PhD	B
Log Scaling				T		T			T	V		T												
Natural Resource Management									D		T,D					D	D					M	M,PhD	V
Pest Management/Entomology																						M	V	
Tree Trimmer Trade																	T,C							
Wood Products Manufacturing/Pulp & Paper Engineering						V											T,D						B,M,PhD	
HEALTH/MEDICAL SCIENCES & TECHNOLOGIES																								
Ambulance Attendants/Paramedics																			T					
Audiology/Speech Sciences																							M,PhD	
Biomedical Electronics Electrophysiology Technology																	T,D							
Clinical/Biomedical Engineering/ Prosthetics & Orthotics																	T,D					B	M	
Continuing Health Care Administration									C								V							
Dental Assistant	C			C	C	C	C		C				C	C		C								
Dental Hygiene				D												D						UT		

SYMBOLS

- V Various courses
- T Training
- C Certificate
- D Diploma
- UT 1st/2nd year academic/ University transfer
- B Bachelor's Degree
- M Master's Degree
- PhD Doctoral Degree

	COLLEGES											INSTITUTES						UNIVERSITIES			
	Camosun	Cariboo	Capilano	New Caledonia	Douglas	East Kootenay	Fraser Valley	Kwantlen	Malaspina	North Island	Northern Lights	Northwest	Okanagan	OLA Open College	Selkirk	Vancouver Community College	BCIT	Emily Carr	Justice Institute	Pacific Marine	OLA Open University	Simon Fraser University	University Of British Columbia	University Of Victoria
Dental Mechanic/Technician																D								
Dentistry (D.D.S.) & Graduate Programs																						UT	M,PhD	
Diagnostic Med. Sonography (Post Diploma)																	T,D							
Environmental Health/Public Health Insp.																	T,D							
Health Records Administration						T											T,D							B
Hospital Unit Assistant																T								
Industrial First Aid/Health & Safety											T	T,C	V		T				T					
Kinesiology										V											V	D,B,M,PhD		
Longterm Care/Handicapped/Home Support	C	C	C	C	C	T,C	C	C	C	C	C	C	C		C	C								
Medical Laboratory Technology/Science			D														T,D						B	
Medical Radiography Technology																	T,D							
Medicine (M.D.)/Graduate Programs																						UT	M,PhD	
Nuclear Medicine Technology																	T,D							
Nursing (Diploma/Degree)	D		D	D	D	T	T	D	D	T	T	T	D		D	D	D				V		B,M	B
Nursing (Prof. diploma specializations)																	D							
Nursing (Practical LPN)	C								C				C		C	C								
Nursing (Psychiatric)					D																			
Occupational Health & Safety									T								T,C,D					V		
Pharmacy/Pharmacology (var. specializations)																						UT	B,M,PhD	
Pharmacy Technical Assistant																T,C								
Physio/occupational Therapy														T									B	
Respiratory Therapy			D																					
LAW & RELATED STUDIES																								
Court Reporter																C,D	T							
Correctional Officer																			T					
Criminology	D,UT			D,UT	C,D,UT		D,UT	C,D,UT	UT		C,UT					D			V,T		V	C,B,M,PhD		
Deputy Sheriff																			T					
Law (various specializations)																							B,M	B
Police Officer																			T					
Legal Assistant		D														T,C								
Probation Officer																			T					
LIBRARY SCIENCES																								
Library Technician							D,UT									D								
Library Studies																							M	
Archival Studies/Public History																						D,C	M	
MATHEMATICAL SCIENCES																								
Computer Science	UT	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT,D	V				B	B,M,PhD	B,M,PhD	B,M

SYMBOLS

- V Various courses
- T Training
- C Certificate
- D Diploma
- UT 1st/2nd year academic/ University transfer
- B Bachelor's Degree
- M Master's Degree
- PhD Doctoral Degree

	COLLEGES										INSTITUTES										UNIVERSITIES			
	Camosun	Cariboo	Capilano	New Caledonia	Douglas	East Kootenay	Fraser Valley	Kwantlen	Malaspina	North Island	Northern Lights	Northwest	Okanagan	OLA Open College	Selkirk	Vancouver Community College	BCIT	Emily Carr	Justice Institute	Pacific Marine	OLA Open University	Simon Fraser University	University Of British Columbia	University Of Victoria
Mathematics	UT,D	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D	UT,D	UT	UT	UT	V				B	B,M,PhD	B,M,PhD	B,M
Statistics				UT	UT	UT			UT	UT	UT	UT	UT,D			UT	V				V	B,M,PhD	B,M,PhD	V
PHYSICAL EDUCATION & RECREATION																								
Aquatic Recreation Leadership	C																							
Health & Fitness/Human Performance/Recreation		C			V				D										V,T			C	B	B
Physical Education (various specializations)				UT	UT	UT			UT,D						UT	UT						V	B,M	B,M
Recreation Facilities Management									D							D								
Recreation/Management		D	D			T,D			D							D						V		
PHYSICAL SCIENCES																								
Astronomy									UT	UT			UT									V	V	B
Chemical Physics/Applied Physics				UT																		B,M		
Chemistry	UT,D	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT						B,M,PhD	B,M,PhD	B,M,PhD
Geology	UT,D	UT,D	UT	UT	UT	UT			UT	UT		UT,D	UT,D		UT	UT						V	B,M,PhD	
Physics	UT,D	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT						B,M,PhD	B,M,PhD	B,M,PhD
SOCIAL SCIENCES																								
Anthropology	UT,D	UT,D	UT	UT	UT	UT		UT	UT	UT	UT	UT,D	UT,D		UT	UT					V	B,M,PhD	B,M,PhD	B,M
Archaelogy									UT				UT,D									B,M,PhD	V	V
Economics	UT,D	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT					B	B,M,PhD	B,M,PhD	B,M
Geography (Human/Physical)	UT,D	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT					B	B,M	B,M,PhD	B,M,PhD
Gerontology																						D	V	
Political Science	UT,D	UT,D	UT		UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D			UT						B,M,PhD	B,M,PhD	B,M
Psychology(Arts/Science)	UT,D	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT					B	B,M,PhD	B,M,PhD	B,M,PhD
Psychology (Clinical)																						M		
Sociology	UT,D	UT,D	UT	UT	UT	UT	UT	UT	UT	UT	UT	UT,D	UT,D		UT	UT					V	B,M,PhD	B,M,PhD	B,M
General Studies					D		UT,D				D		D								B	B		
Women's Studies		UT,D			V						V		UT,D			UT						M	V	B
TOURISM/FOOD SERVICES/HOSPITALITY/PERSONAL SERVICES																								
Bartending		T,C		T,C		T,C			T,C	T,C		T,C	T		T,C		V							
Commercial Baking									T			T			T,C	T,C	T,C							
Cook Training (various levels)	C		C	C		C			C		C	C	C		C	C	C							
Hairdressing, Man's Hairstyling, Esthetics						C									C	C								
Dietetics/Nutrition																D						V	B,M,PhD	
Dining Room & Lounge Supervisor	C		C			T,C			C						C	T,C								
Food Service Technician		T,C								T,C						T,D								
Kitchen Management																T,C								
Meat Processing (Sausages/Smoked meat)			T,C														T							
Waiter/Waitress		T		T		T,C			T	T	T	T	V,C		T	T,C								

SYMBOLS

- V Various courses
- T Training
- C Certificate
- D Diploma
- UT 1st/2nd year academic/ University transfer
- B Bachelor's Degree
- M Master's Degree
- PhD Doctoral Degree

	COLLEGES											INSTITUTES										UNIVERSITIES			
	Camosun	Cariboo	Capilano	New Caledonia	Douglas	East Kootenay	Fraser Valley	Kwantlen	Malaspina	North Island	Northern Lights	Northwest	Okanagan	OLA Open College	Selkirk	Vancouver Community College	BCIT	Emily Carr	Justice Institute	Pacific Marine	OLA Open University	Simon Fraser University	University Of British Columbia	University Of Victoria
Management (Recreation Facility)									D						T	T,D								
Management (Hotel/Motel/Restaurant)	D	T,C				C			D	T,C			C	C			D							
Management (Ski Area)										T					C									
Management (Tourism)	C	C								T							D					V,T		
Travel Counsellor						T				T	T	T	C	C		T,C	V							
TRADES PROGRAMS																								
Construction:Bricklaying/Masonry								T									T,C							
Construction:Carpentry	T,C		T,C	T,C			T,C	T,C	T,C		T,C	T,C	T,C	T		T,C	T,C							
Construction:Joinery/Fine Woodwork	T,C		T,C				T,C		T,C		T,C	T,C	T,C		T		T,C							
Construction:Plumbing	T,C													T,C			T,C							
Construction:Sprinklerfitting/Steamfitting	T,C													V			T,C							
Electronics/Electrician	T,C		T,C	T,C		T,C		T,C		C		C		T,C	T,C	T,C	T,C							
Gasfitting	T,C																T,C							
Mechanical:Air Brakes				T		T	T			T	T	T	V				V							
Mechanical:Automotive Body Repair	T,C									T,C	C		C			T,C								
Mechanical:Automotive Mechanics	T,C		T,C	T,D		T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C							
Mechanical:Auto. Painting &Refinishing	C										C		C			T,C								
Mechanical:Commercial Trans. Mech./ Recreation Vehicles Tech.	T,C		T,C			T,C	T,C				T,C		T,C	T,C	T,C		T,C							
Mechanical:Computer Numerical Control (CNC) Mach. Oper. Trade	D																T,C							
Mechanical:Diesel Engine Mechanics	T,C		T,C	T,C			T,C		T,C			C				T,C	T,C							
Mechanical:Energy Management Upgrade																T,C								
Mechanical:Heavy Duty Mechanics	T,C		T,C	T,D		T,C	T,C		T,C	C	C	T,C	C	T,C	T,C		T,C							
Mechanical:Heavy Equipment Operator									T,C															
Mechanical:Machinist												T			T		T,C							
Mechanical:Millwright (Industrial Mechanic)				T,C				T,C	T,C			T,C		T,C	T,C		T,C							
Mechanical:Motorcycle/Inboard-Outboard/ Small Eng.Mech.	T,C		T,C			T,C			T,C		C	T,C			T,C		T,C							
Mechanical:Partsperson			T,C			T,C	T,C	T,C			C														
Mechanical:Power Engineering (various)	T,C			T,C		T,C					T,C			T,C		T,C								
Mechanical:Refrigeration Operator	T,C													T,C		T,C	V							
Metal Working: Boilermaker/Ironworker/ Sheet Metal Worker/Steel Fabricator																	T,C							
Metal Working:Welding	T,C		T,C	T,C		T,C	T,C	T,C	T,C	T,C	T,C	T,C	T,C		T,C		T,C							
Other:Commercial Driver Training				T					T	T	T	T			T									
Other:Jeweller & Goldsmith																T								
Other: (Power Sewing/Shoe Repair)													V			T								
Other:Upholstery – (Auto Trimmer/ Custom Furniture)	T,C	T,C																						
Other:Women's Introduction to Trades									T								T,C							

DIRECTORY

COLLEGES, INSTITUTES AND UNIVERSITIES IN BRITISH COLUMBIA

Colleges

Camosun College 592-1281
Lansdowne Campus
3100 Foul Bay Road
Victoria, B.C. V8P 4X8

Carey Road Campus 388-6523
3814 Carey Road
Victoria, B.C. V8Z 4C4

Interurban Campus 479-7141
4461 Interurban Road
Victoria, B.C. V8X 3X1

Capilano College 986-1911
2055 Purcell Way
North Vancouver, B.C. V7J 3H5

Squamish Campus 892-5322
37827 2nd Avenue
Box 1538
Sechelt, B.C. V0N 3G0

Toll free (Vancouver) 986-3515

Sechelt Campus 885-9310
5627 Inlet Avenue
Box 1609R
Sechelt, B.C.
V0N 3A0

Cariboo College 828-5000
900 College Drive
Box 3010
Kamloops, B.C. V2C 5N3

Williams Lake Campus 392-6202
351 Hodgson Road
Williams Lake, B.C. V2G 3P7

College of New Caledonia 562-2131
3330 – 22nd Avenue
Prince George, B.C. V2N 1P8

Douglas College 520-5400
700 Royal Avenue
Box 2503
New Westminster, B.C. V3L 5B2

East Kootenay Community College 489-2751
2700 College Way
Box 8500
Cranbrook, B.C. V1C 5L7

Fraser Valley College 792-0025
East Campus
45600 Airport Road
Chilliwack, B.C. V2P 6T4

West Campus 853-7441
33844 King Road R.R. #2
Abbotsford, B.C. V2S 4N2

Kwantlen College 588-4411
Box 9030
9260–140th Street
Surrey, B.C. V3T 5H8

Richmond Campus 273-5461
5840 Cedarbridge Way
Richmond, B.C. V6X 2A7

Newton Campus 591-1111
13479 77th Avenue
Newton, B.C. V3W 6Y1

Malaspina College 753-3245
900 Fifth Street
Nanaimo, B.C. V9R 5S5

Cowichan Campus (Duncan) 748-2591
222 Cowichan Way, R.R. #6
Duncan, B.C. V9L 4T8

Powell River Campus 485-2878
3960 Selkirk Way
Powell River, B.C. V9A 3C6

North Island College 339-5551
156 Manor Drive
Comox, B.C. V9N 6P7

Northern Lights College 782-5251
11401 – 8th Street
Dawson Creek, B.C. V1G 4G2

Northwest Community College 635-6511
5331 McConnell Avenue
Box 721
Terrace, B.C. V8G 4C2

Prince Rupert Campus 624-6054
820 3rd Avenue West
Prince Rupert, B.C. V8J 1M6

Okanagan College 762-5445
1000 KLO Road
Kelowna, B.C. V1Y 4X8

Penticton Campus 492-4305
1296 Main Street
Box 640
Penticton, B.C. V2A 6P1

Kalamalka Campus (Vernon) 545-7291
7000 College Way
Vernon, B.C. V1B 2N5

Salmon Arm Campus 832-2126
2690 Okanagan Avenue
Box 189
Salmon Arm, B.C. V0E 2T3

Selkirk College 365-7292
Beinder Way
Box 1200
Castlegar, B.C. V1N 3J1

Nelson Campus 352-6601
2001 Silver King
Nelson, B.C. V1L 1C8

Trail Campus 368-5236
845 Victoria Street
Trail, B.C. V1R 3T3

Vancouver Community College 875-1131
1155 East Broadway
Box 24700, Station C
Vancouver, B.C. V5T 4N4

Langara Campus 324-5511
100 West 49th Avenue
Vancouver, B.C. V5Y 2Z8

King Edward Campus 875-6111
1155 East Broadway
Vancouver, B.C. V5T 4N4

Vancouver Vocational Institute 681-8111
250 West Pender Street
Vancouver, B.C. V6B 1F9

Institutes

British Columbia Institute of Technology 434-5734
3700 Willingdon Avenue
Burnaby, B.C. V5G 3H2

Emily Carr College of Art and Design 687-2345
1399 Johnston Street
Granville Island
Vancouver, B.C. V6H 3R9

Justice Institute of British Columbia 228-9771
4180 West 4th Avenue
Vancouver, B.C. V6R 4J5

Pacific Marine Institute 985-0622
265 West Esplanade
North Vancouver, B.C. V7M 1A5

Universities

Simon Fraser University 291-3111
Burnaby, B.C. V5A 1S6

University of British Columbia 228-3014
204 – 2075 Westbrook Mall
Vancouver, B.C. V6T 1Z2

University of Victoria 721-7211
University Centre
Box 1700
Victoria, B.C. V8W 2Y2

Other

Open Learning Agency
7671 Alderbridge Way 660-2224
Richmond, B.C. V6X 1Z9

Students: Box 94000 660-2221

Toll free number 1-800-663-9711

Knowledge Network 668-3300
300 – 475 West Georgia
Vancouver, B.C. V6B 4M9

MINISTRY OF ADVANCED EDUCATION AND JOB TRAINING

General Enquiries
Communication Services 387-6276
Ministry of Advanced Education
and Job Training
818 Broughton Street
Victoria, B.C. V8V 1X4

Student Financial Assistance
Student Services 387-6100
Ministry of Advanced Education
and Job Training
823 Broughton Street
Victoria, B.C. V8V 1X4

Private Training
Private Training Institutions 660-7244
Ministry of Advanced Education
and Job Training
4946 Canada Way
Burnaby, B.C. V5G 4J6

Apprenticeship Training
Job Training Office 660-6272
Ministry of Advanced Education
and Job Training
5th Floor, 805 West Broadway
Vancouver, B.C. V5K 1Z1

2nd Floor, 4946 Canada Way
Burnaby, B.C. V5G 4J6 660-7100

#104 – 9648 – 128TH Street
Surrey, B.C. V3T 2X9 660-8944

45904 Victoria Avenue
Chilliwack, B.C. V2P 2T1 795-8404

#510 – 2755 Lougheed Highway
Port Coquitlam, B.C. V3B 5Y9 941-4849

155 Skinner Street
Nanaimo, B.C. V9R 5E9 755-2335

#101 – 1180 Ironwood Road
Campbell River, B.C. V9W 5P7 286-7650

838 Fort Street
Victoria, B.C. V8V 1X4 387-3698

#200 – 1626 Richter Street
Kelowna, B.C. V1Y 2M3 861-7407

#101 – 117 10th Avenue South
Cranbrook, B.C. V1C 2N1 426-1281

310 Ward Street
Nelson, B.C. V1L 5S4 354-6560

540 Borland Street
Williams Lake, B.C. V2G 1R8 398-1479

500 Victoria Street
Prince George, B.C. V2L 2J9] 565-6020

#3407 – 31st Street
Vernon, B.C. V1T 2H6 549-5525

#1201 – 103rd Avenue
Dawson Creek, B.C. V1G 4J2 784-2388

4548 Lakelse Avenue
Terrace, B.C. V8G 1P8 638-3211

236 St. Paul Street
Kamloops, B.C. V2C 5T1 828-4522